

AOR[®]

100 kHz ~ 1299.995 MHz, AM, WFM, NFM

AR-Mini

Water resistant hand-held communications receiver



◀ Actual Size

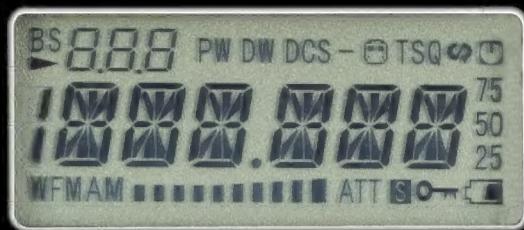
- **WATER RESISTANT:** Meets JIS4 waterproof standards to protect against spray and splash
- TCXO for greater stability (+/-2.5 ppm)
- Long battery life! Approx. 22 hours of operation on supplied Ni-MH batteries
- 1000 memory channels

- Free memory management software to download
- CTCSS & DCS
- Voice inverter descrambler (not available for US domestic version)
- Preprogrammed bug detector frequencies (with level beep)



AR-Mini

- Priority channel watch
- 2 VFO
- Cloning capability (AR-Mini to other AR-Mini, or through PC)
- Memory channel skip
- RF attenuator
- Earphone cord antenna capability
- Built-in ferrite bar antenna for AM broadcasts (100 kHz~5 MHz)
- Battery save function, auto power off timer
- Automatic or selectable tuning steps
- Signal meter
- Low battery indicator



AR-Mini Specifications

Frequency Range	100 kHz~1299.995 MHz (*)		
Circuit type	AM, FM: Triple conversion super-heterodyne WFM: Double conversion super-heterodyne		
Receiving Modes	AM, WFM, NFM		
IF bandwidth	AM/NFM: 15 kHz, WFM: 220 kHz		
Memory Channels	1000 (10 banks x 100 channels)		
Scan speed	8 steps/sec.		
Select scan channels	100		
Priority channels	1		
Pass frequencies	100		
Sensitivity (typical)	AM (10dB S/N)	0.2~5 MHz 5~160 MHz 160~370 MHz 370~520 MHz 520~1300 MHz	1.3μV 0.6μV 0.6μV 0.6μV 0.7μV
	FM (12dB SINAD)	5~160 MHz 160~370 MHz 370~520 MHz 520~1300 MHz	0.2μV 0.2μV 0.28μV 0.35μV
	WFM (12dB SINAD)	5~160 MHz 160~370 MHz 370~520 MHz 520~1300 MHz	0.9μV 0.8μV 1μV 1μV
Intermediate frequencies	243.95 MHz, 21.7 MHz, 450 kHz		
Tuning steps	5, 6.25, 8.33*, 9*, 10, 12.5, 15, 20, 25, 30, 50, 100 kHz (* Selectable depending on bands)		
Selectivity	AM/FM: More than 15 kHz / -6dB WFM: More than 110 kHz / -6dB		
Conducted spurious emissions	Less than 54 dBm		
Frequency stability	±2.5 ppm (by TCXO)		
AF output power	100 mW, at 10% distortion with an 8Ω load		
External speaker connector	3.5 mm mono jack		
Antenna connector	SMA (50Ω)		
Battery requirement	2 x AA (LR6) Ni-MH or alkaline cells		
Battery life	Approx. 22h in normal listening mode		
External power supply	6V DC, 500 mA		
Current drain (approx.)	110 mA (Receive AF output 50 mW) 20 mA (Standby, saver 1:4 on) 65 mA (Standby, saver off)		
Operating Temperature	-10~+50°C, 14~122°F		
Dimensions (projections excluded)	60(W)x95(H)x24(D) mm 2.4"x3.7"x0.9"		
Weight	210g (with antenna and batteries) 7.4oz		

(*) Cellular frequencies are blocked in the U.S.A version

What to listen to?

Analog reception of:

- Car/bike races (pilot to pit communication)
- Weather channels (Instant access to NOAA and other international all hazards and weather info, 24 hours a day)
- Airline traffic
- Marine
- Trains
- Public safety (Police, Fire, EMS, Sheriff, Highway Patrol, Forestry, etc...)
- Amusement park and public park communications
- Radio and television reporters in the field
- Shortwave radio from around the world
- AM radio
- FM radio
- TV audio
- Ham operators

Supplied accessories

- Two AA size Ni-MH cells (1.2V)
- "A" plug type AC adapter (100~240V). "A" to "C" plug adapter included for European version.
- Antenna
- Belt clip
- Hand strap
- Printed manual

Options

	●AA-mini "A" plug type replacement AC adapter (100~240V, 6V DC, 500 mA)
	●DC-mini DC cable with cigar-lighter plug (6V DC, 500 mA for 12/24V socket)
	●CO-mini Data cloning cable (AR-Mini to AR-Mini)
	●PCmini PC cable (USB only)
	●SC-Mini soft carrying case
	●SMA to BNC adapter for antenna socket
	●Software "AR-mini Programming Tool". Easily edit & upload memory channel data and adjust the receiver's settings. No CD supplied. The software can be downloaded free of charge on our website www.aorja.com .



AOR, LTD.
2-6-4, Misuji, Taito-Ku Tokyo,
111-0055, Japan
www.aorja.com mail@aorja.com

AOR USA, INC.
20655 S. Western Ave. Suite 112
Torrance, CA 90501, U.S.A.
Phone:310-787-8615 Fax:310-787-8619
www.aorusa.com info@aorusa.com

AOR UK
Unit 9 Dimple Road Business Centre Matlock,
Derbyshire DE4 3JX, U.K.
Phone:01629 581222 FAX:01629 580070
www.aoruk.com info@aoruk.com

Product designs and specifications are subject to change without notice or obligation.
(*) Cellular blocked for US consumer version. Unblocked version available to qualified purchasers; documentation required in the USA.
© 2008 AOR, LTD. All rights reserved. E&OE.